

[LIGHT SOURCE OF BACK LIGHT MODULE]

Abstract

A light source inside a back light module comprising a red light-emitting diode, a green light-emitting diode, a blue light-emitting diode, a diffusion device, some supporting elements and reflectors is provided. The red, green and blue light-emitting diodes mount on a holder. The diffusion device is set up over the holder. The diffusion device comprises a transparent body and a plurality of fine particles distributed within the transparent body. The supporting elements are positioned between the diffusion device and the holder. The reflectors are attached to the surface on each side of the holder and the diffusion device. Red, green and blue lights from various light-emitting diodes are thoroughly mixed inside the diffusion device to form a uniform white light.